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Vaccination with MHC-II-restricted peptides from Apolipoprotein B (ApoB) with complete and incomplete Freund's adjuvant (CFA/IFA) is known to protect mice from atherosclerosis. This vaccination induces antigen-specific IgG1 and

IgG2c antibody responses and a robust CD4 T cell response in lymph nodes. However, CFA/IFA cannot be used in humans. To find a clinically applicable adjuvant, we tested the effect of vaccinating *ApoE*-deficient mice with ApoB peptide P6 (TGAYSNASSTESASY). In a broad screening experiment, Addavax, a squalene-based oil-in-water adjuvant similar to

MF59, was the only adjuvant that showed similar efficacy as CFA/IFA. This was confirmed in a confirmation experiment for both the aortic arch and whole aorta analyzed by en face analysis after atherosclerotic lesion staining. Mechanistically, restimulated peritoneal cells from mice immunized with P6 in Addavax released

significant amounts of IL-10. Unlike P6 in CFA/IFA, vaccination with P6 in Addavax did not induce any detectable IgG1 or IgG2c antibodies to P6. These data suggest that squalene-based adjuvants such as MF59 are good candidate adjuvants for developing a clinically effective atherosclerosis vaccine.

“Recently, a squalene-

based adjuvant and monophosphoryl lipid A were approved in pandemic influenza virus vaccines 19, 20 and human papilloma virus vaccines for cervical cancer 21.”

“Addavax is a squalene-based adjuvant similar to MF59, which is FDA-approved and licensed in Europe for a seasonal influenza vaccine for

elderly people 30. Here, we report that vaccinating *ApoE*-deficient (*ApoE*^{-/-}) mice with ApoB P6 in Addavax was as atheroprotective as P6 in CFA/IFA.”

“We first assessed atherosclerotic lesion size by en-face analysis of pinned and Sudan-IV-stained aortas (Supporting Information Fig. 1B and 1C). The

lesion area was 18% of the total area in the aortic arches of mice immunized with P6 alone. As expected, lesion area was significantly reduced by ~50% when mice were immunized with P6 in CFA/IFA. A similar reduction was observed in mice immunized with P6 in Addavax (Supporting Information Fig. 1B and 1C)."

Note: addavax is available online for about \$264/10ml.

<https://www.invivogen.com/addavax> The antiatherosclerotic peptide can be ordered, and the protocol with mice has a subcutaneous injection every 2 weeks for 5 weeks.

It is possible that this “P6” is the same as the v6 antiatherosclerotic

vaccine in phase
(something) human
clinical trials.

“Atherosclerosis vaccine,
V6”

<https://clinicaltrials.gov/ct2/show/NCT03042741> an
oral antiatherosclerosis
vaccine. The human
dose and frequency
resource complements
the mouse data, and the
oral formulation suggests
the possibility that after
an injected version,

surplus peptide could be used to make a nasal spray version dosed at the same frequency as the oral version. “study will evaluate daily dose of one V6 pill [human] administered for one month in placebo-controlled, randomized, double-blind phase 3 trial”

24pneumoniavaccine
from complimentary

place

rapamycin

dasatinib, fisetin,

gdf-11

that other protein that is
\$50

bP reducing pills from
1001pills

covid 19 test then

suggest socializing on
craigslist

Use the halfbakery to
enjoy feedback on
technology ideas.
There is an upside
version of your question
related to the Many
Worlds Interpretation of
Physics (MWI). You just
go to fiverr .com and ask
some people to build you
a time machine as well
as put out an invitation

for bids. Someone says they will do it. You pay them to build the time machine. According to the MWI, the universes in which the time machine actually works you then travel to the 1960s AD.

Now, although I am unknown to you, I have had an experience with a person from what I perceive as the future telling me about my life, his past. I think he used

technology to do this. There is also a published retrocausality machine (delayed quantum choice eraser) at physics. Then there are other physics things I read but do not remember, so there may be 2.5 or 3 kinds of time machines with some support, along with first hand eyewitness accounts already. That is encouraging for paying someone at fiverr to build

you a time machine.

I suggest you pay the person at fiverr .com two hours of your annual earnings or \$40 whichever is less. At fiverr you can use a milestone and give them half the money when half the time machine is completed.

Quora on investing in an index fund

<https://www.quora.com/W>

hat-is-the-best-way-to-spend-5-1

Combine a really good
How to have sex and
cunnilingus instruction
video with a compilation
erotic video to get like 1
million or more people to
view a how to be good at
cunnilingus video.

Sample Nina Harley how
to do cunnilingus video

rub your clit when you
have sex with a guy (or

gal)

combine vibrator on clit
with penile penetration

I could try to make an
erotic video for women
video. Study!

“you can take a shower”
audio plays in evening
while falling asleep,
harmless, beneficial if it
causes showering, and
some person on the

internet thinks it could work.

Talk on the computer all day with real people if you feel like it: What are some good websites that you can practice a foreign language with native speakers?

One of the best ways to practice a language is to speak with someone who is a native speaker of the

language. Busuu is an online

I cannot really tell what this means but it is possible it means two weeks of high-dose NMN causes epigenetic changes that reduce heart disease. But, since its supposed to be doing its awesome stuff with mitochondria I don't see why it would be an epigenetic improving

drug.